HGD – HURRICANE 2010 / 2011

The Global Surprise

For the Treasures Hunters, Prospecting Amateurs, for all Researchers for Gold and Underground Metals

Introduction:

The Modern scientific Innovation, Exclusive and special production for Factories and the Companies which belong to the Hunter Group Detection Company (HGD) .

The latest prospector device throughout the world, working by digital modern technology Systems, to detect and prospect for metals and treasures .

Unparalleled and developer Detection system Speaking the language of modern technology and futures , Sprinted towards the future with Intelligently for its inventors to Achieve the dreams for all whose acquired it , Characterized with unprecedented industrial and electronic intelligence , Unimaginable in his work and his proficiency .

(HGD – hurricane) Developer detector : Comprehensive Device Specialist for detecting and exploring for precious metals , Gold , treasures , caves , spaces ,underground water , and tunnels , Suitable for geophysical and industrial investigations in addition to the Archaeology .

has a High-electronic quality , with Three-dimensional property . Deserves to get title of The first world's prospector aptly .

The device Depend in his detecting on more than one theory and technique from different detecting systems :

- ✓ **(long range locator system)DSP Technology**
- ✓ **Electromagnetic Radar pulse waves (Sound Detectors)**
- ✓ **Real time imaging radar (GPR System) Works on four radar Programs systems .**

General specifications and features :-

- Special for detection and locate the precious metals, gold and treasures and exploration of Archaeology and caves, tunnels ,ancient tombs and chambers underground and groundwater

- The device been Designed professionally and Manufactured accurately depended on advanced technologies .

- Combines between the (power and effectiveness) in searching and giving the results, accurate and correct coordinates

- Has a big advantage in its small size, light weight, in spite of the great tasks

- Provided with two (LCD) screens , Upper and lower .

The Upper one to work on the Long Range Locator System and for clarification the settings and programs

The lower screen to work on GPR system and clarification the functions and detection options and settings

- In front part of the device there are electronic control panel with pressure keys , the control panel its high-definition and easy to use , with options and system settings all that showing you clearly on the screens.

- Able to Discriminate between metals , You can choose the Metals types that you want to search for , before the searching get started , able to detect till (18) meters depth accurately in all soil conditions .

- works in all forms and types of terrain, and the various types of soil Whatever the soil solid, metallic and salty .

- Operating temperature from 0 ° C to 55 ° C .

- Can be stored at a temperature of - 40 ° C ° C to 65 ° C .

- Can be stored and working through air moisture degrees 5% to 80% .

- (Water resistance) to prevent waters leaking to inside the device, and visor to shocks .

- Not affected by the telecommunications stations, and Electric high-pressure

- Working by internal lithium ion battery (12-volt) rechargeable, enable to work for 48 hours continuously.

- operated by radar system and frequency range waves (9.35 MHz) .

- The size of the main unit 180 x 250 x 55 mm.

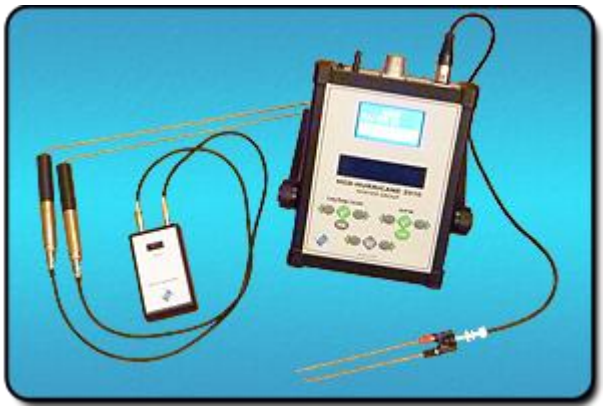
- Works in English control panel keys and illustrations in an easy to use

- The device been Manufactured completely from the best quality of the parts and electronic components ,sensors ,more powerful microprocessor and a long-term

- The total Weight of the device with accessories and the carrying case (4.50) kg only .

- The main unit alone Weights (2.300) kg only .

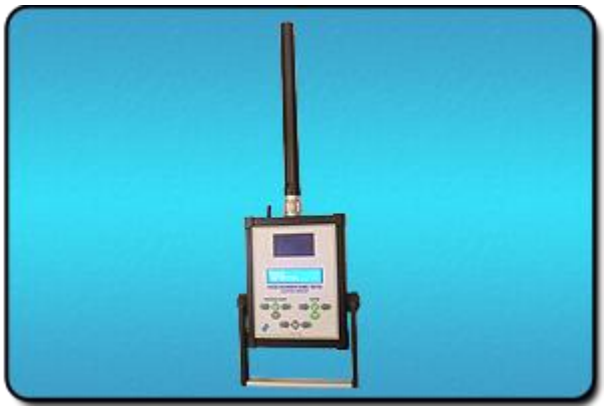
The SPECIFICATIONS Of LONG RANGE LOCATOR SYSTEM :



- This system works on remote sensing (LRL) , Digital Signal Processing(DSP) for the detection the metal underground depending on the partials frequency which adopted universally
- Working by two devices and systems ,first system of settings and signal transmission device , and other system the receiver device to specify path and Point of the target
- Equipped with Automatic Programming Technology and Automatic of Ground Balance System.
- Sending an electrical frequency waves for (2) km full (360) degrees , in (8) minutes , and determines the depth and the point of target .
- Process knowledge of the existence of the target in area of 2 km and determine the path of the target takes only two minutes
- The Limited effort and fatigue , you don't need to walk for long distance , just start scanning then the device will guide you to your target .
- The system operates through the LCD screen high-definition private system, and a special section of the pressure keys is on the left side of the control panel
- Discovers metal and golden targets from a long distance , With the possibility to determine the metal type is required to search for, to discovers and determine the Path and place of the target in a few minutes, whatever the depth and distance of target

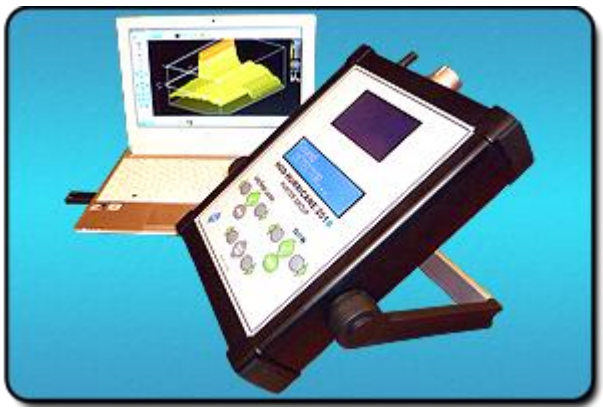
- Extremely accurate detector for (gold, silver, bronze, copper, aluminum, diamond, lead, iron, water, and caves) with selection system .
- Detects depth of the 18 meters underground
- Locates the target and measure the depth, with complete precision .

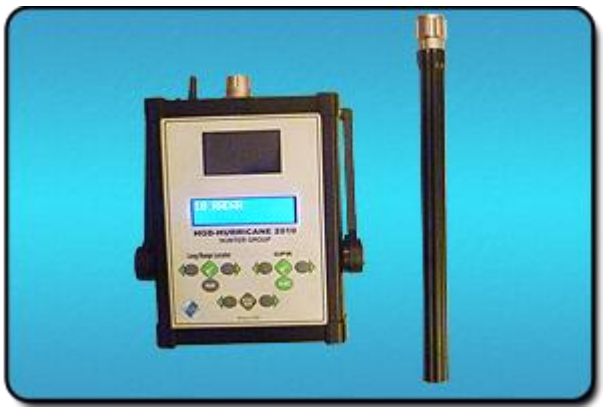
The Specifications of Sound Detectors System:



- This system working through the electromagnetic pulsing radar waves which emanating from the sensitive radar sensor , giving an audible sound as a signal of discovering targets Whenever the waves collision with metals underground .
- Detector for all metals , with possibility to discriminate among them by the sound .
- For detecting a certain area Can also choose another system to search through by (32) sound wave .
- you can hear the sounds results through outlet speaker, or by headphones .
- According to the users manuals You can choose scanning by this system through the lower screen , Then choose a special search by sound of (SOUND DETECTOR) .

The Specifications of Imaging Radar (GPR) system :





- The Imaging radar system detects the targets existence with full Clarification , Display them directly on laptop screen , same to eyes visions .
- This system working by the Technology of imaging radar waves , Using for detecting and imaging the underground components , giving full report and definition for each area been Surveyed .

- Providing you with complete information about earth layers coordination's , soil hardness and their contents , caves and buried treasures . appear the targets in two or three Dimensional scene .
- The activation for this system by connecting the ground radar sensor (the sensor) to the device by special socket , to send the radar waves to the ground , and analyzing results through analysis program which been installed with the laptop .
- The system Connecting with the laptop via Bluetooth technology , to transfer the data and survey coordinates and viewing them directly on your laptop in real time
- Control the system through special section of pressure keys panel located in the bottom of the right-sided of the device , and show the setting options through the lower LCD screen to show all choices systems for scanning radar
- feature automatic microprocessor system for the ground balance , and a smart feature automatically when the passage the sensor radar over any type of soil, there is a property of the artificial intelligence electronic for automatic programmable
- Measures the depth of the target underground and to shows the depth directly on your laptop by digital form ,Whatever the depth
- Measure the size of the target under the ground carefully, if a cave or the tomb, and shows the extension and the beginning and ending of the void, but if the metal shows size, form and how his situation
- The device operates on two programs, Download the software's on your laptop, The firs program for detection system of live scan , imaging ultrasound system and normal GPR , and another program for save the radar scanning on the laptop and analyze the scan and results, beside more features to identify and analyze the targets, and to find out the depth, size of the target , And View 3D
- Measuring the targets depth over(18)meters underground in all soils conditions .
- Operates by frequency scope (9.35) MHz .
- Equipped with Bluetooth Technology (2.0) system .

Working by the following imaging systems:-

- (Scanning imaging radar (GPR) automatic detection system) for verification a large area with ability to save the scans results , working on five selected options , you can choose any one you prefer :
  - 10 radar covering a distance of 3 m longitudinal.
  - 20 radar covering a distance of 6 m longitudinal.

- 30 radar covering a distance of 9 m longitudinal.
- 40 radar covering a distance of 12 m longitudinal.
- 50 radar covering a distance of 15 m longitudinal.

- ✓ Scanning imaging radar (30 radar manually) , uses this system to detect and Scan the limited area and can the user control to send the radar waves through the joystick tool (a separate tool to reach in the device with the pressed button) the ability to save the scans results .
- ✓ (Live imaging GPR) for viewing image to underground in real time on the laptop screen
- ✓ (Live Graphics Ultrasound) , ultrasound imaging technology for direct broadcast , it is the first time in the world , this system been used to detect metals , and showing them such as the medical device (ECHO GRAF) showing fetus .

The main Functions:-

- **Uses HGD-HURRICAN integrated and comprehensive detection systems to exploration and detection to underground, and is suitable for the following hunting operations :**

- ✓ Metal and burials detector , displaying results with three-dimensional (3D) .
- ✓ Detection of caves and tunnels displaying results with three-dimensional (3D) .
- ✓ Underground Mapping (3D three-dimensional).
- ✓ detection the meteorites
- ✓ Treasures Hunting
- ✓ Searching for surface water
- ✓ Prospecting for natural gold and Golden nuggets .
- ✓ Historical researching Operations .
- ✓ To Scanning the ground infrastructure
- ✓ Using for Industrial needs (locate the pipes a, cables and concretes)
- ✓ Using for Geophysical Investigations .
- ✓ Remote Sensing to detect treasure & metals .
- ✓ Specialize for locating the precious metals , gold and treasures also for exploration of ancient tombs and chambers

Parts and components:

(CPU and settings) it is the main unit for device .

And it is consist of :

- ✓ Two (LCD)screens .
- ✓ Control panel working by Pressure keys .
- ✓ Switch (ON - OFF) .
- ✓ Entrance to connect the radar sensor .

  - ✓ Entrance to connect the ground prop unit .
  - ✓ Entrance to connect the power charger with light to indicate charging .
  - ✓ Entrance to connect the joystick tool .
  - ✓ Entrance for headphones .
  - ✓ Signal Light to confirm the Bluetooth connection .
  - ✓ Signal Light to confirm the information sending from Bluetooth to the laptop .
  - ✓ Outlet Speaker .
- Radar sensor unit to work on (sound system) and (imaging radar systems) .
- Joystick tool Connects to the device and works on(imaging radar manually system)
- The Bluetooth unit (USB) Connecting to the laptop using for receiving the device information .
- Ground Socket Prop (Ground transmission unit) to work on (LRL system) .
- The receiver device works on (9-volt) battery , provider with a test light for battery power , with exits for antennas Energy to connect the receiving , works on (LRL system) .
- Two receiving antennas with connection Wires to work on (LRL system) .
- Headphones .
- Electric charger 12-volt .
- Car charger 12-volt .
- (Laptop) as a gift from the company when you purchase the device , the Laptop will be ready to work and provided with all research and analysis programs .
- Carrying bag (anti visor) with all accessories and attachments .
- Strap bag
- User Manuals in several languages.
- Educational CD program to explain you how to use the device .
- International guarantee for three years .
- Results guarantee of Manufacturer for three years .

How to use:

Summary brief for user manual ..

There are several choices and programs to detect via (HGD- Hurricane) its possible to use them by successive phases .

At first preferably to work by Long Range Locator System if the searching area was Large , This system working by transmitters and receivers , sending a Powerful Geo electric Frequency waves , The devices prop should be Connect and Grown to the ground surface , then you need to select the metal type that you want to search for , all these steps through the (LCD) device screen , Waiting for 8 minutes while the system send the radar waves Which cover a distance of (2) circular kilometer and a depth of (18) meters , Waiting for 8 minutes while the system send the waves Which cover a distance of (2) circular kilometer and a depth of (18) meters , after that connect the receiver device , so is connecting the receiving antennas to the receiver device , Proved the receiver device on your belt , and carry the receiving antennas by your hand , direct it towards the horizon . and start to rotation around the master device ,if the receiving antennas did not converge, there is no target that is selected to search for in the entire region, But in the case of convergence of the reception antennas have converged in the same direction of the target , and by the integrated receiver device , we can determine the track the path to the target , by tracing the power line leading to the goal and determine the presence and depth of a point of

the target accurately, And after using the Long Range Locator Systems , we can work by (GPR) imaging radar system in real time and direct, via four systems of imaging radar systems and Programs

you need to connect the radar sensor in special entrance tags in (HGD- Hurricane) device , then make connection between the device and your laptop via Bluetooth .

open the detection software program on your Laptop , And choose the detection program system that you will use it for searching , then we need to choose program system in hurricane device and it must be the same program system that we chose it before in laptop , There must be a perfect match between the two programs that have been selected .

Then and after the successful connection between the device and the laptop , you need to confirm the searching process by Pressing on (OK) button , and begin scanning by Pressing on (start) button , During this time we must direct the radar sensor towards the soil and far from the ground almost (15) cm , start walking and scanning then you will see an immediately imaging with information appears on the Laptop screen ,If there will be a positive result , the device will give The size , depth and the type of the target .

Beside all of that there is another imaging scanning programs that you can use them to survey areas and storage the results and information in Laptop memory and analyze them by analysis programs to show you the targets in two and three-dimensional video (2&3D) , and providing you also with full information about (depth , shape , size and the type of targets) , It is possible also to use the device only without the laptop , and detecting through the electromagnetic radar waves , In case of collision between the electromagnetic waves with metals , then the device gives an audible voice as signal for presence a metals targets underground .

Made in USA

By American manufacturing center (Hunter Group Companies)